

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012049.D
 Acq On : 20 Aug 2019 23:57
 Operator : SY/VA
 Sample : K4387-14
 Misc : 4.41G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A1-(2)

Quant Time: Aug 21 01:37:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	447077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82681	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	171296	56.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.00%	
35) Dibromofluoromethane	7.88	113	138074	55.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.10%	
50) Toluene-d8	10.32	98	528445	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.62	95	130972	35.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.54%	

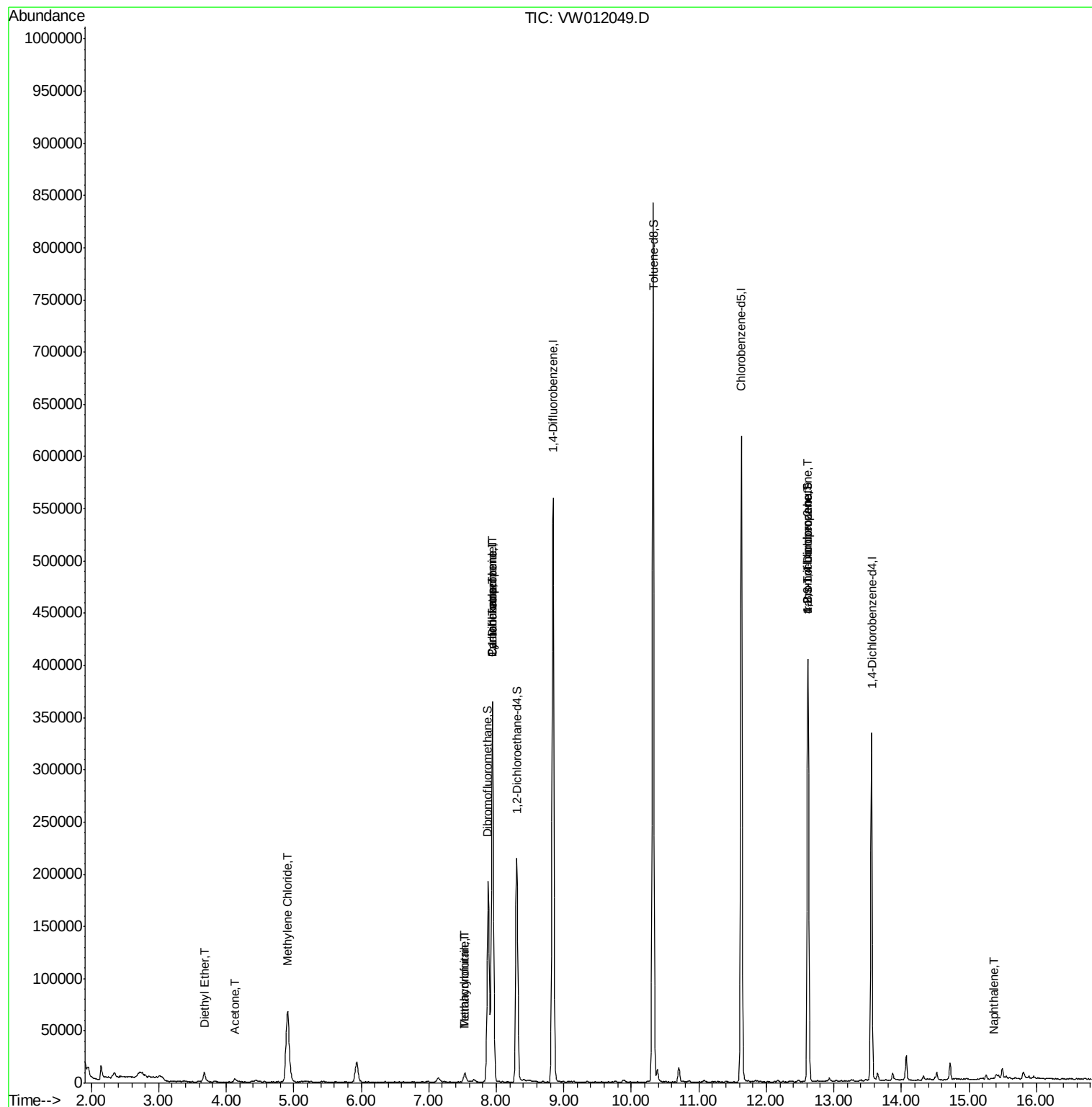
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	4474	2.849	ug/l	90
11) Tert butyl alcohol	5.18	59	1296	Below Cal	#	81
16) Acetone	4.13	43	5668	5.826	ug/l	98
20) Methylene Chloride	4.92	84	50859	15.157	ug/l	96
29) Tetrahydrofuran	7.53	42	7777	10.686	ug/l	98
31) Cyclohexane	7.95	56	6197	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22429	4.825	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27128	6.817	ug/l #	15
41) Methacrylonitrile	7.53	41	4646	2.906	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	70202	80.244	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70202	184.934	ug/l #	6
95) Naphthalene	15.36	128	351	2.169	ug/l #	91

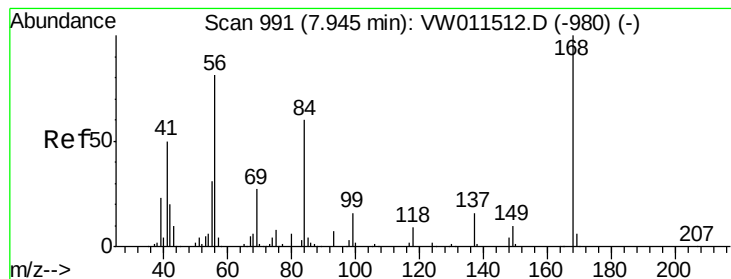
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012049.D

Acq: 20 Aug 2019 23:57

Instrument :

MSVOA_W

ClientSampleId :

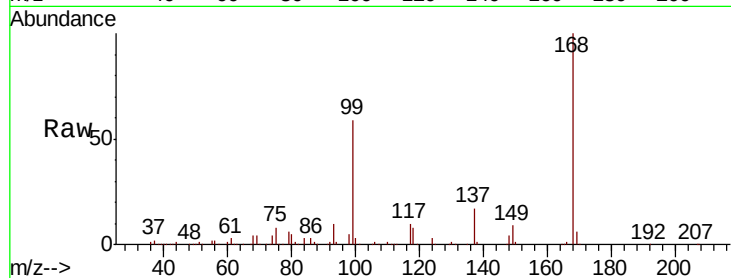
T4-A1-(2)

Tgt Ion:168 Resp: 266371

Ion Ratio Lower Upper

168 100

99 58.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

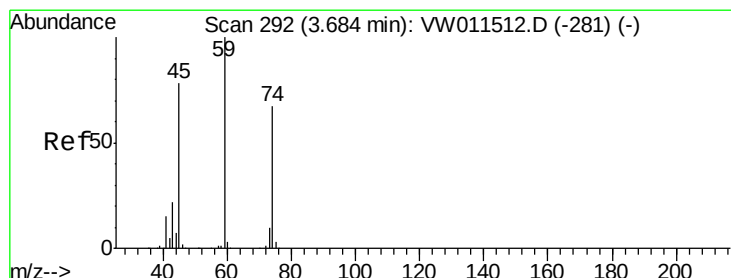
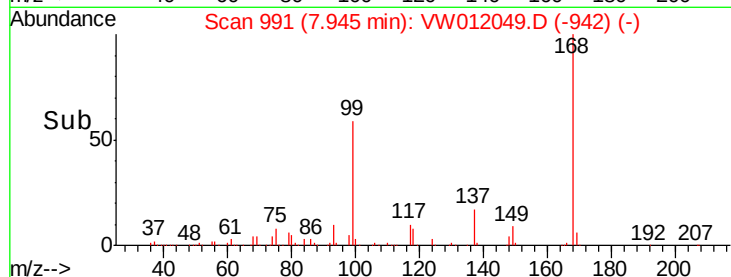
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 2.849 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012049.D

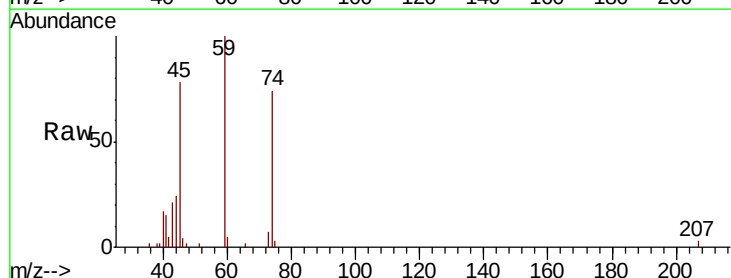
Acq: 20 Aug 2019 23:57

Tgt Ion: 74 Resp: 4474

Ion Ratio Lower Upper

74 100

45 129.8 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

2500

2000

1500

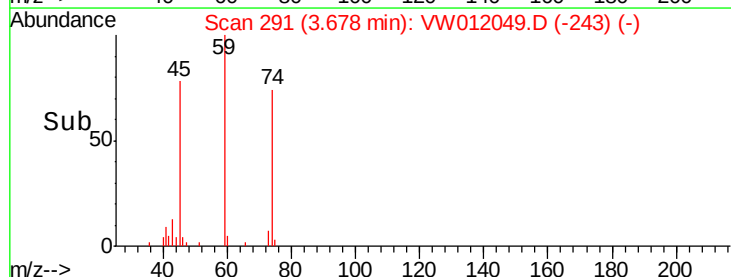
1000

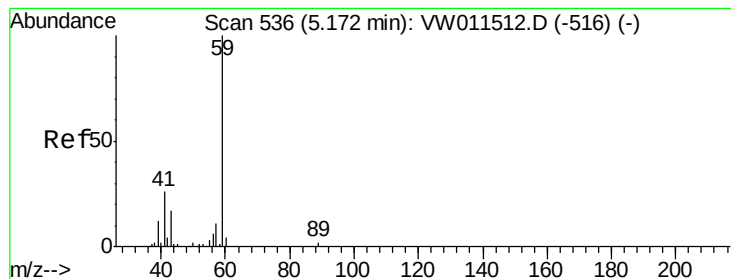
500

0

3.60 3.65 3.70 3.75

Time-->



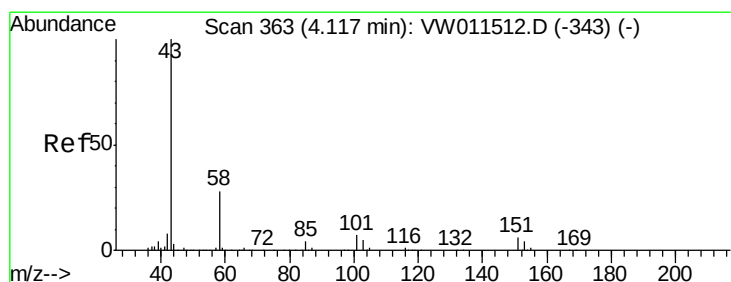
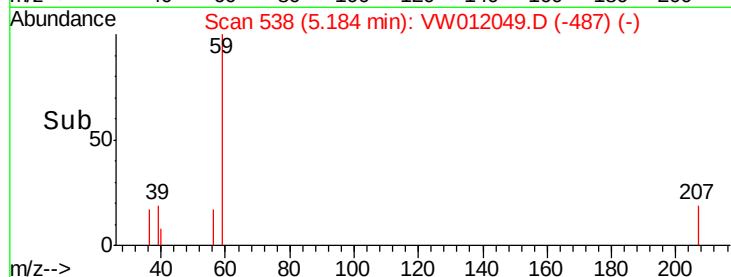
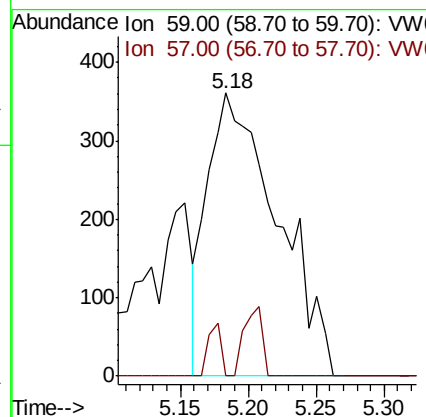
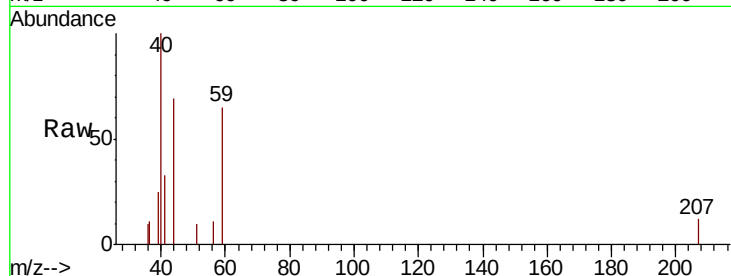


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW012049.D
 Acq: 20 Aug 2019 23:57

Instrument :
 MSVOA_W
 ClientSampled :
 T4-A1-(2)

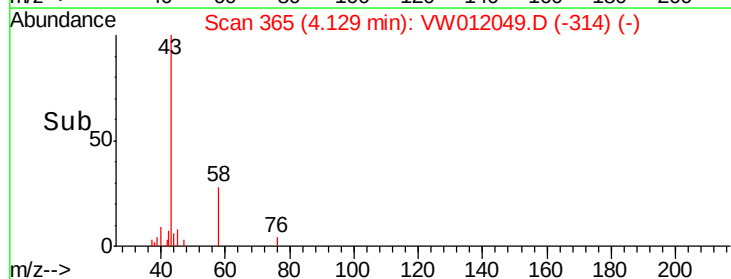
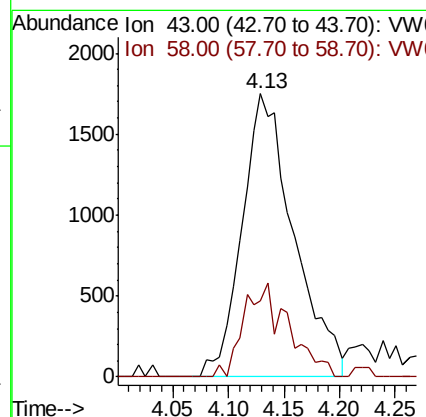
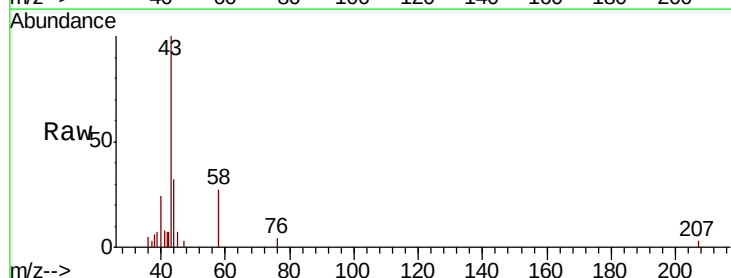
Tgt Ion: 59 Resp: 1296
 Ion Ratio Lower Upper
 59 100
 57 3.4 8.5 12.7#

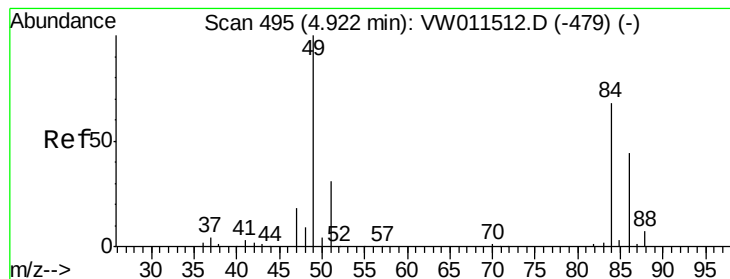


#16

Acetone
 Concen: 5.826 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012049.D
 Acq: 20 Aug 2019 23:57

Tgt Ion: 43 Resp: 5668
 Ion Ratio Lower Upper
 43 100
 58 26.7 22.3 33.5





#20

Methylene Chloride

Concen: 15.157 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012049.D

Acq: 20 Aug 2019 23:57

Instrument :

MSVOA_W

ClientSampleId :

T4-A1-(2)

Tgt Ion: 84 Resp: 50859

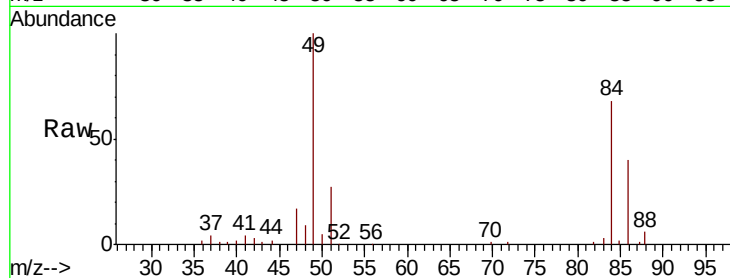
Ion Ratio Lower Upper

84 100

49 147.7 117.8 176.6

51 40.5 37.0 55.4

86 59.1 51.8 77.8

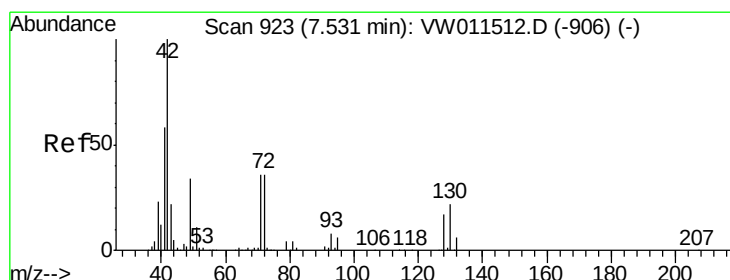
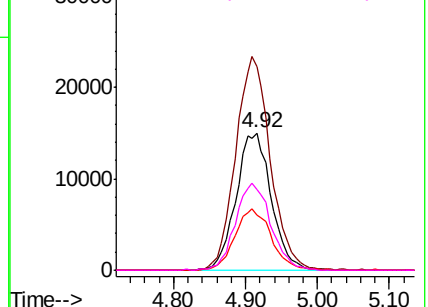
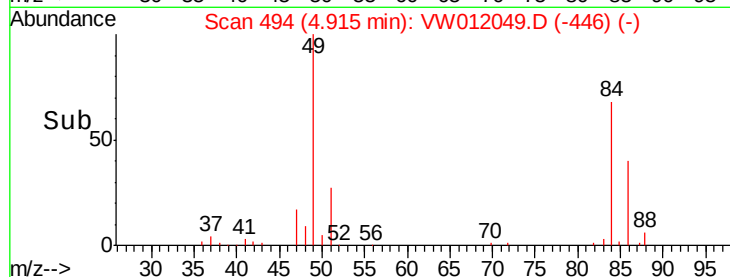


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29

Tetrahydrofuran

Concen: 10.686 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012049.D

Acq: 20 Aug 2019 23:57

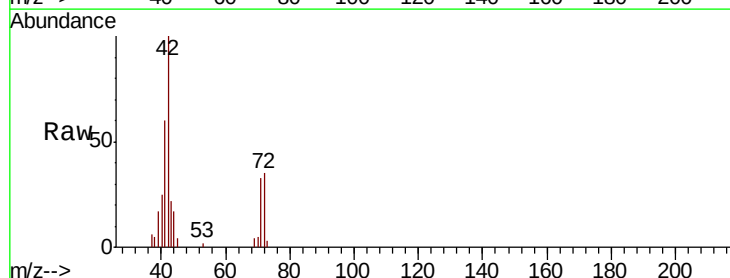
Tgt Ion: 42 Resp: 7777

Ion Ratio Lower Upper

42 100

72 35.9 27.1 40.7

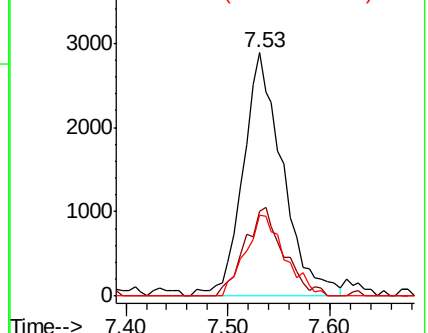
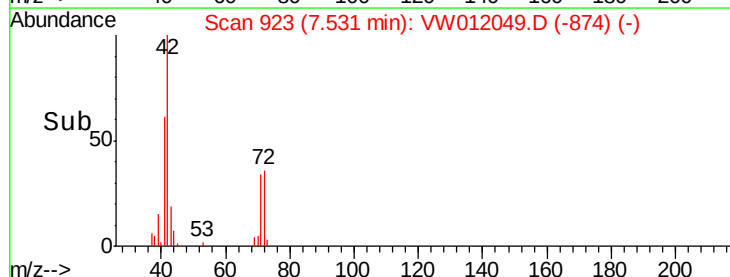
71 33.1 26.2 39.4

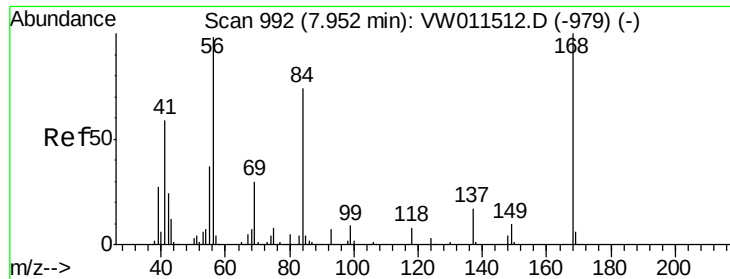


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

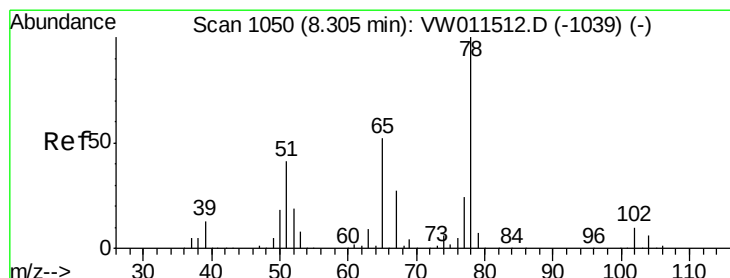
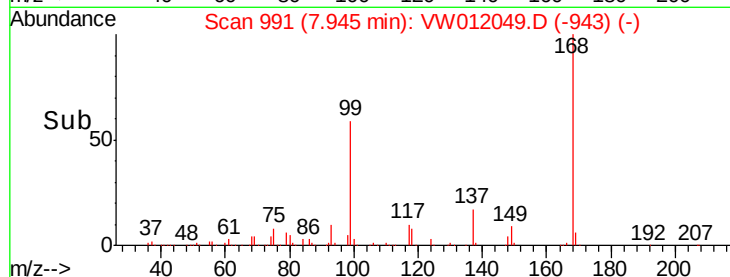
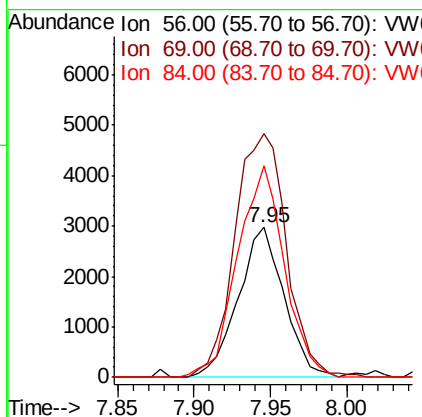
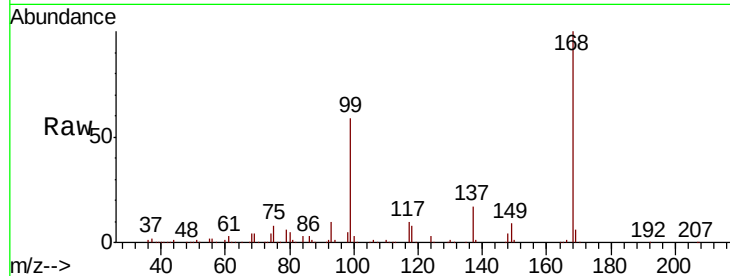




#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012049.D
Acq: 20 Aug 2019 23:57

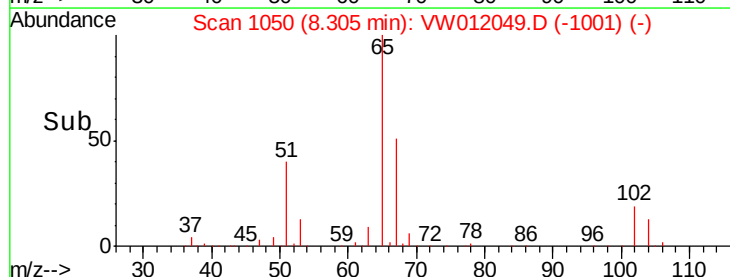
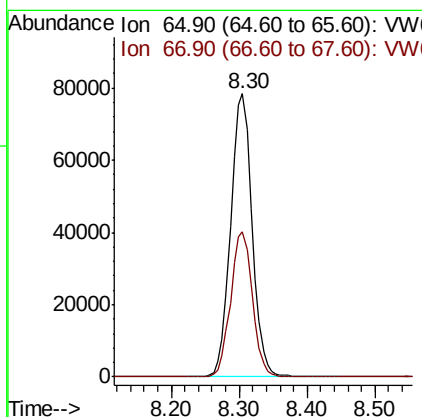
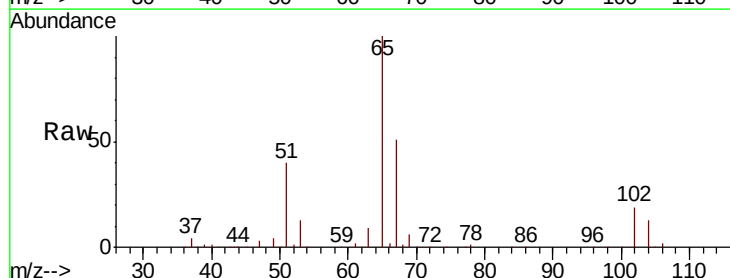
Instrument :
MSVOA_W
ClientSampleId :
T4-A1-(2)

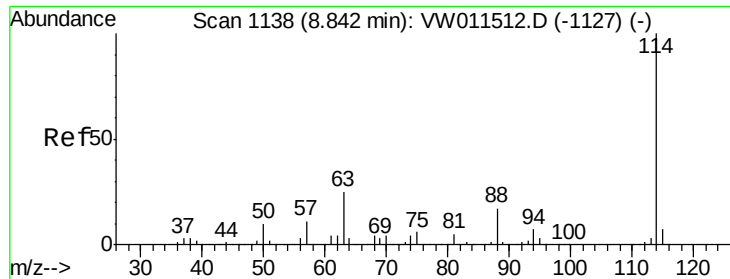
Tgt Ion: 56 Resp: 6197
Ion Ratio Lower Upper
56 100
69 162.5 24.3 36.5#
84 141.6 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 56.003 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012049.D
Acq: 20 Aug 2019 23:57

Tgt Ion: 65 Resp: 171296
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.2

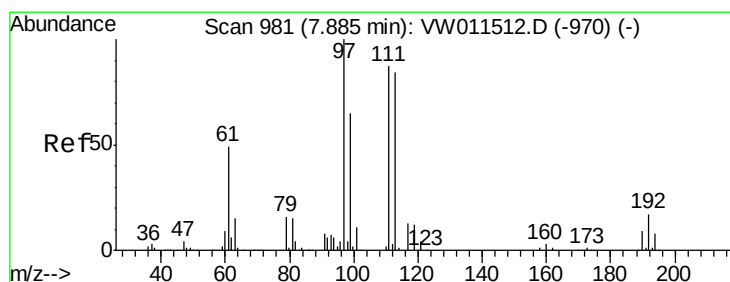
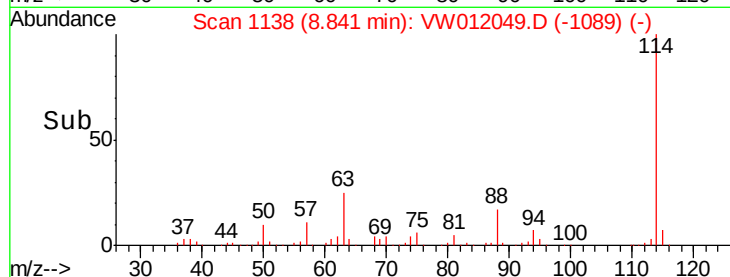
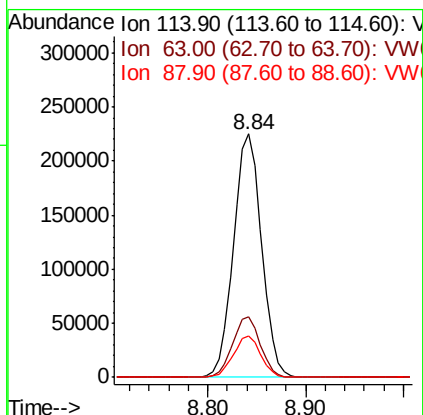
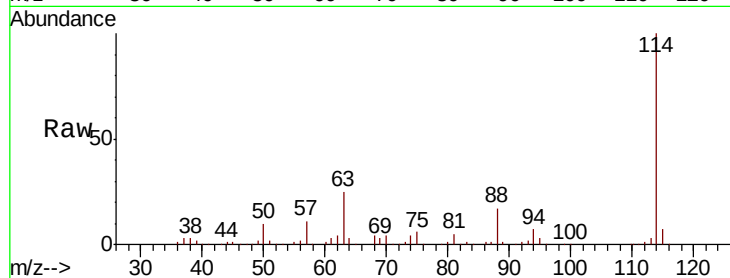




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012049.D
 Acq: 20 Aug 2019 23:57

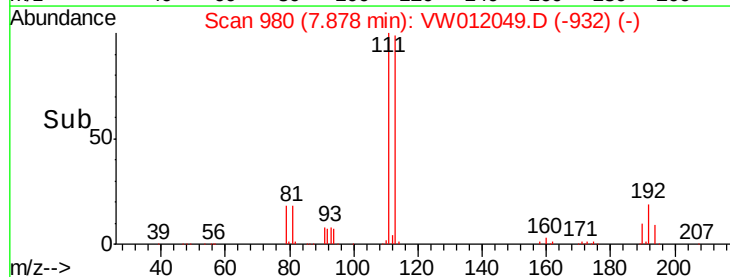
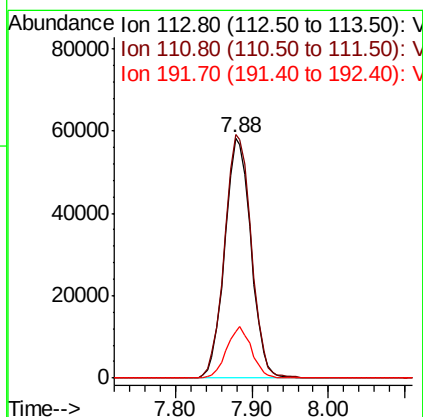
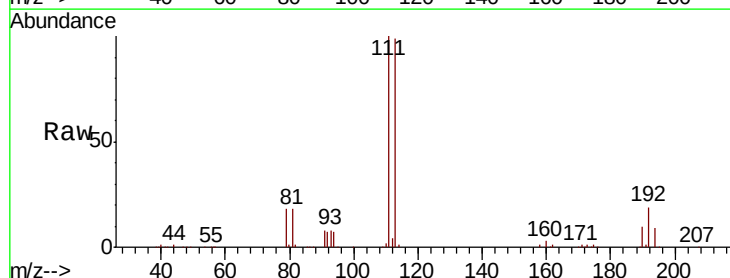
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A1-(2)

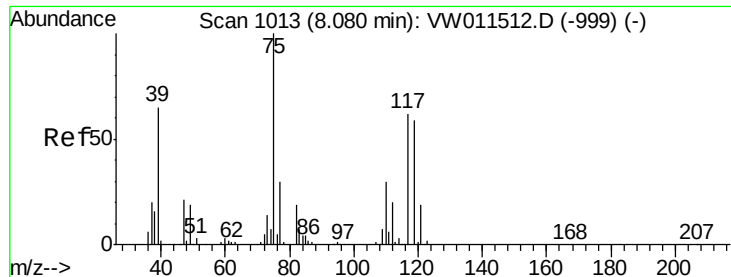
Tgt Ion:114 Resp: 447077
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 16.9 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 55.049 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012049.D
 Acq: 20 Aug 2019 23:57

Tgt Ion:113 Resp: 138074
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 20.3 16.1 24.1

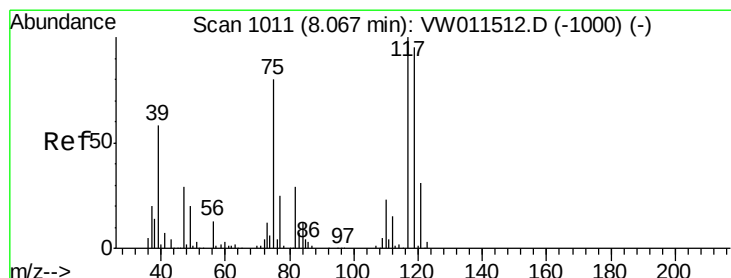
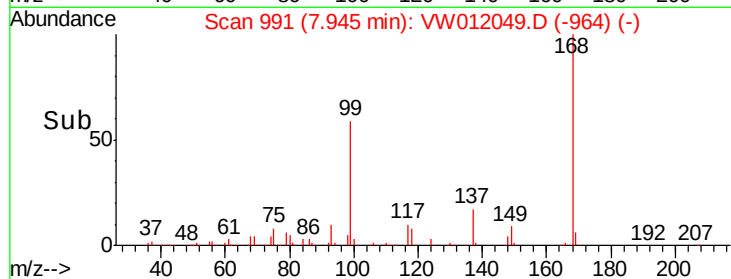
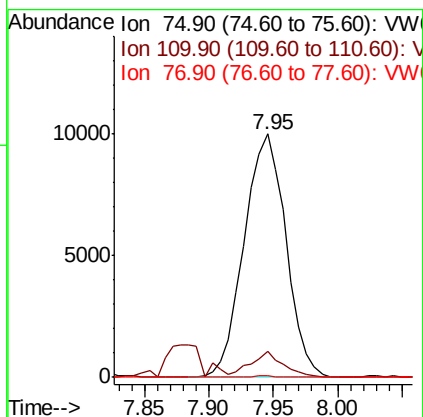
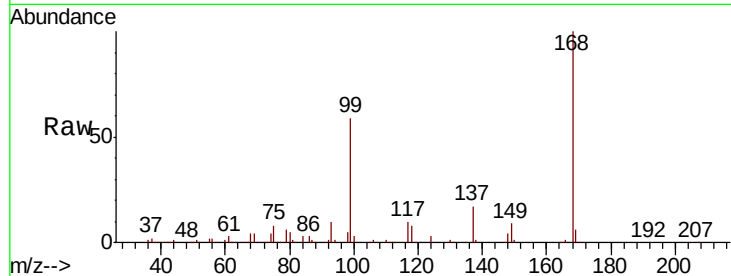




#36
 1,1-Dichloropropene
 Concen: 4.825 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012049.D
 Acq: 20 Aug 2019 23:57

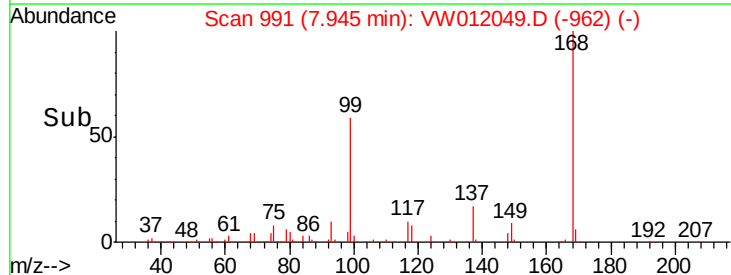
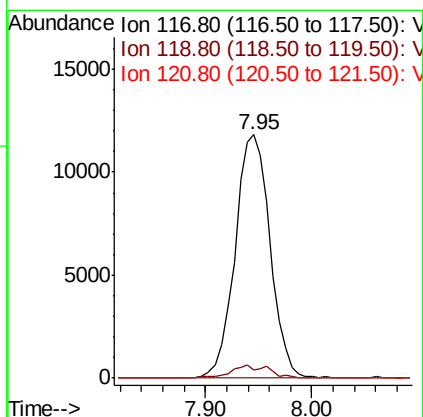
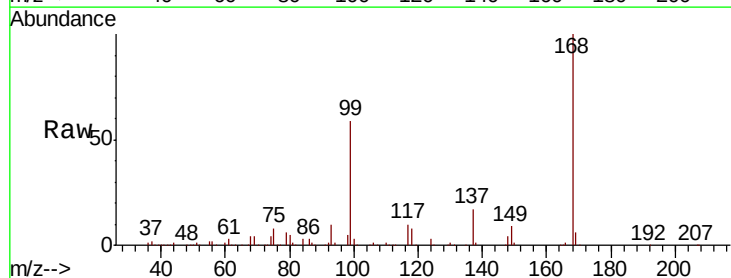
Instrument :
 MSVOA_W
 ClientSampled :
 T4-A1-(2)

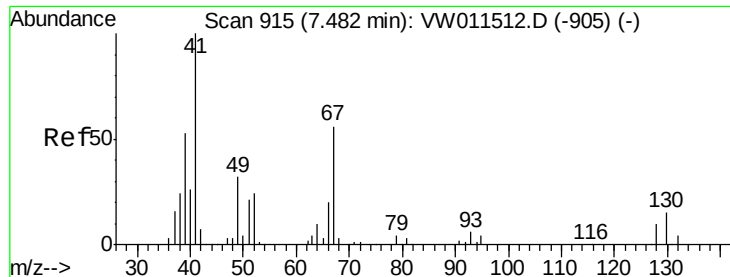
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.6	46.8#
77	0.2	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.817 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012049.D
 Acq: 20 Aug 2019 23:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.5	75.8	113.6#
121	0.0	24.7	37.1#

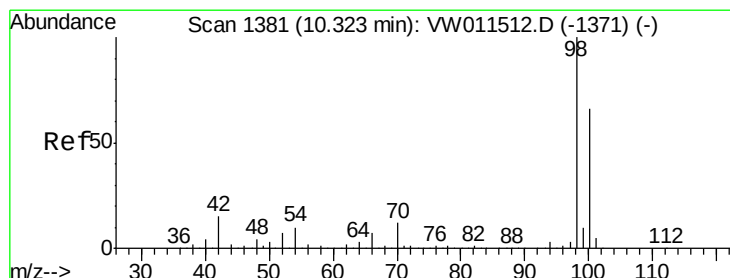
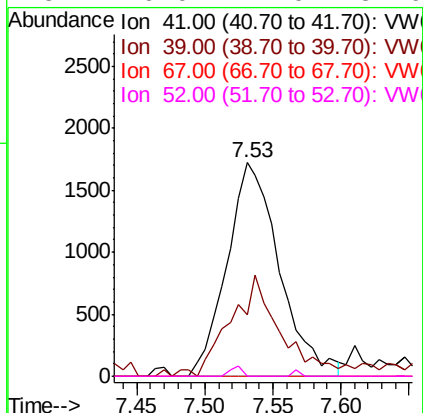
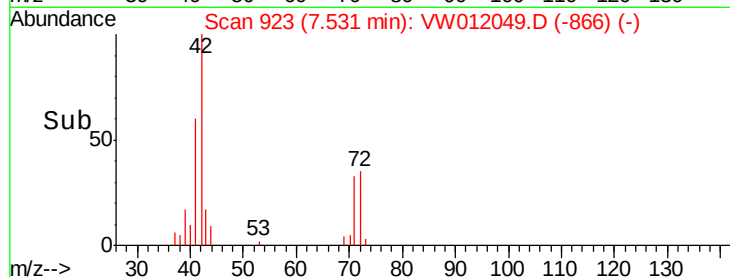
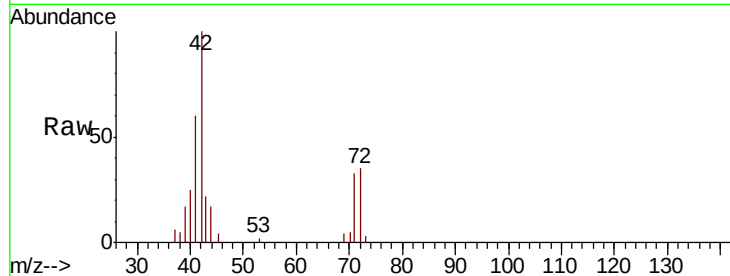




#41
Methacrylonitrile
Concen: 2.906 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012049.D
Acq: 20 Aug 2019 23:57

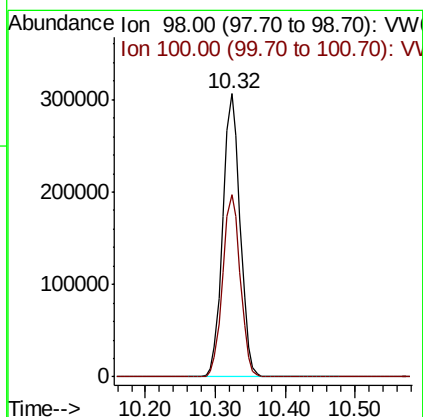
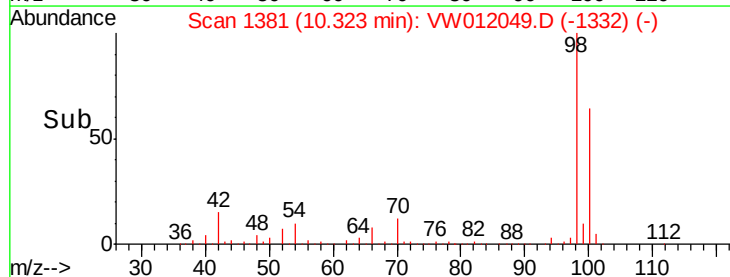
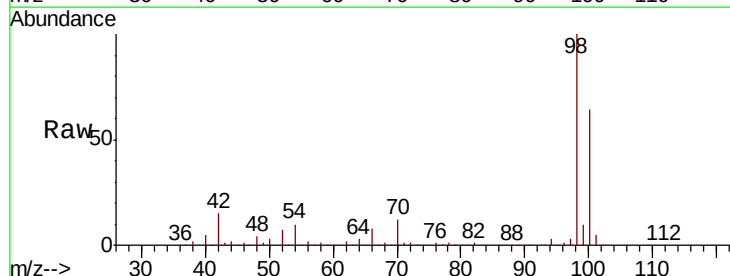
Instrument :
MSVOA_W
ClientSampled :
T4-A1-(2)

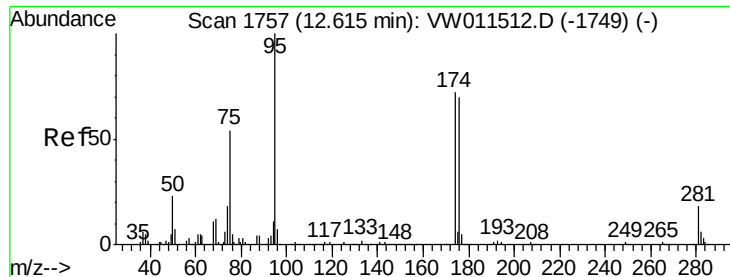
Tgt Ion:	41	Resp:	4646
Ion	Ratio	Lower	Upper
41	100		
39	46.3	43.0	64.4
67	0.0	47.5	71.3#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 51.459 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012049.D
Acq: 20 Aug 2019 23:57

Tgt Ion:	98	Resp:	528445
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#62

4-Bromofluorobenzene

Concen: 35.773 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012049.D

Acq: 20 Aug 2019 23:57

Instrument :

MSVOA_W

ClientSampleId :

T4-A1-(2)

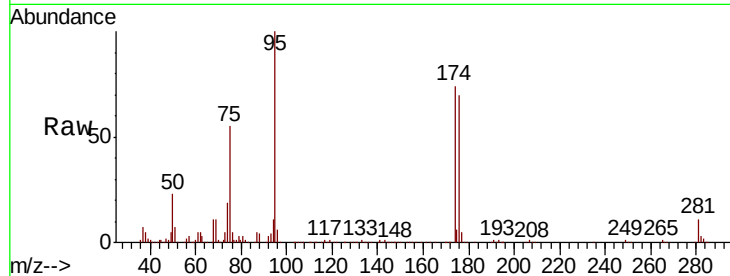
Tgt Ion: 95 Resp: 130972

Ion Ratio Lower Upper

95 100

174 77.9 0.0 150.2

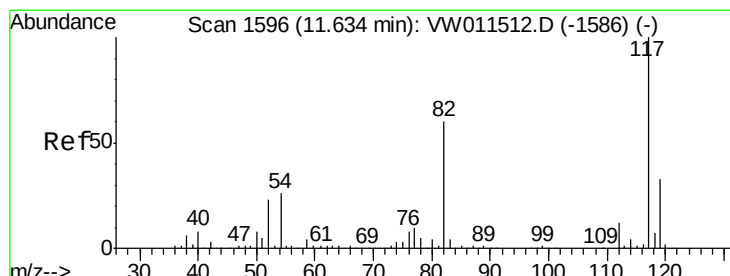
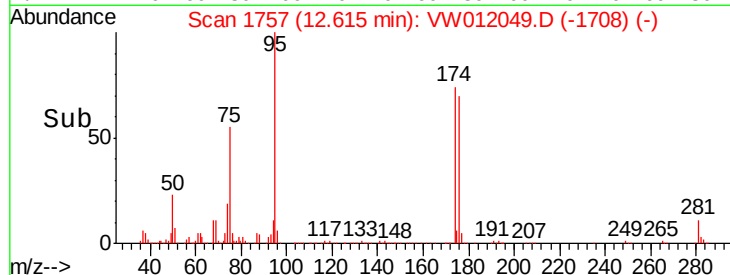
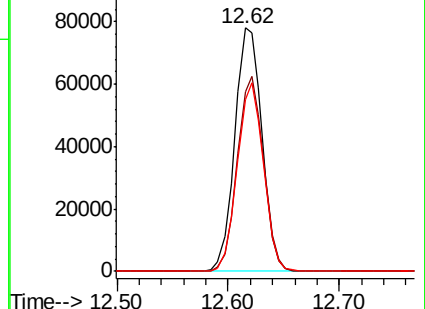
176 74.9 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012049.D

Acq: 20 Aug 2019 23:57

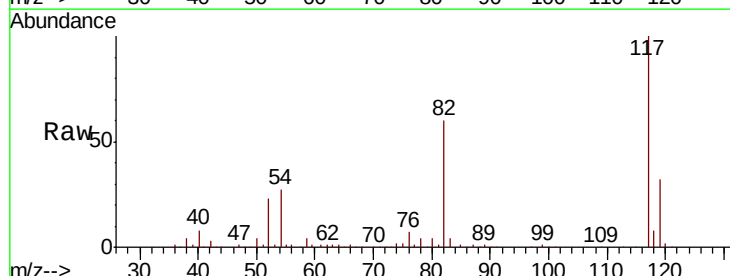
Tgt Ion: 117 Resp: 329254

Ion Ratio Lower Upper

117 100

82 60.4 47.9 71.9

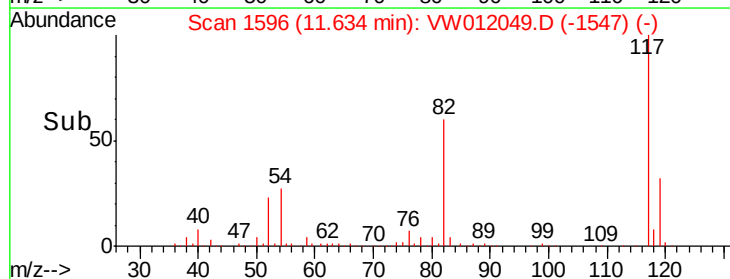
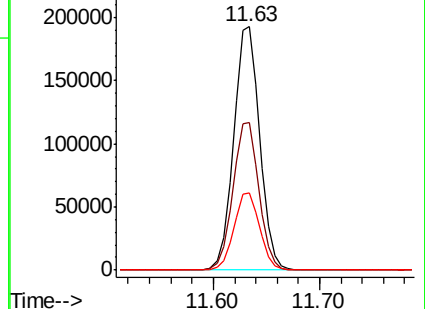
119 32.0 26.2 39.2

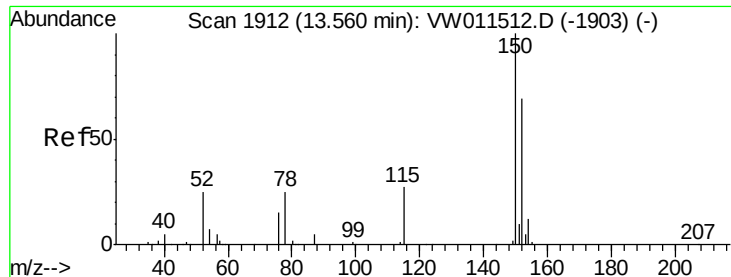


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012049.D

Acq: 20 Aug 2019 23:57

Instrument :

MSVOA_W

ClientSampleId :

T4-A1-(2)

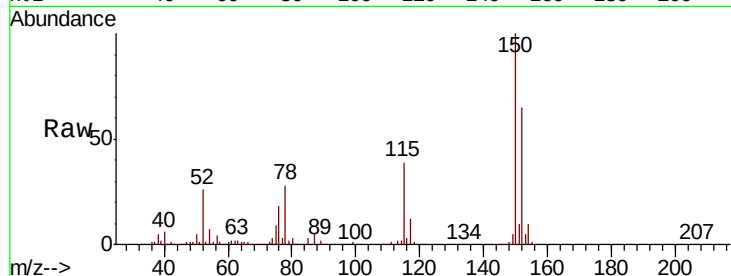
Tgt Ion:152 Resp: 82681

Ion Ratio Lower Upper

152 100

115 60.1 30.5 91.5

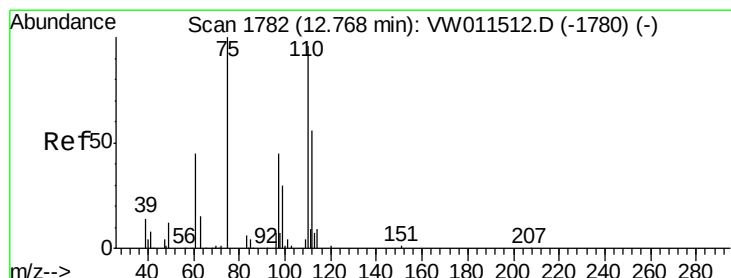
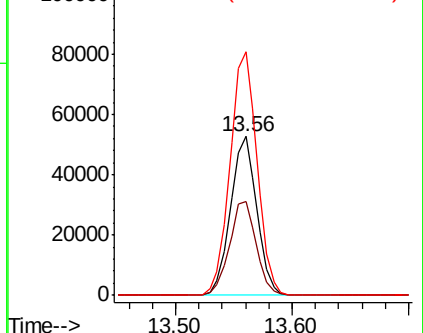
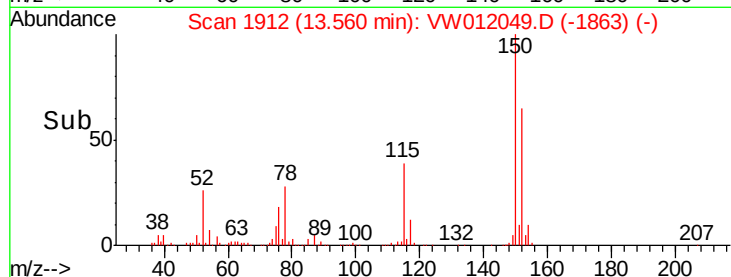
150 157.5 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 80.244 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012049.D

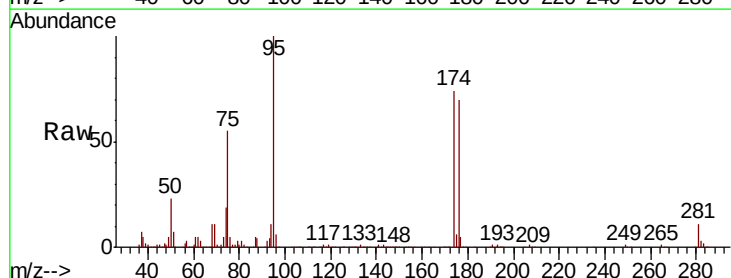
Acq: 20 Aug 2019 23:57

Tgt Ion: 75 Resp: 70202

Ion Ratio Lower Upper

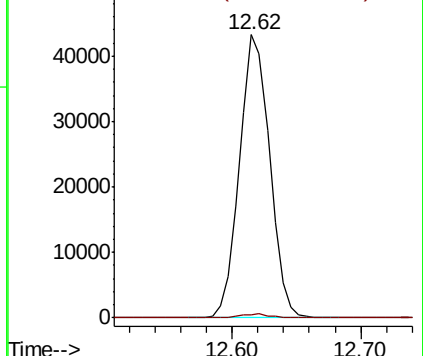
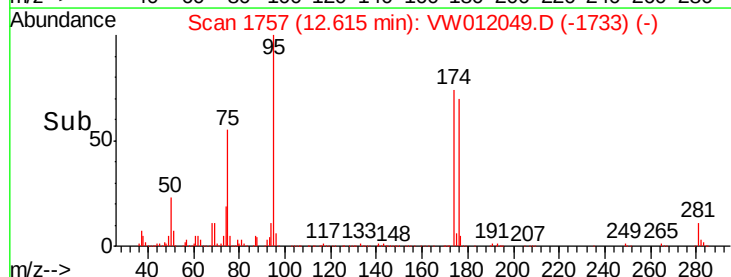
75 100

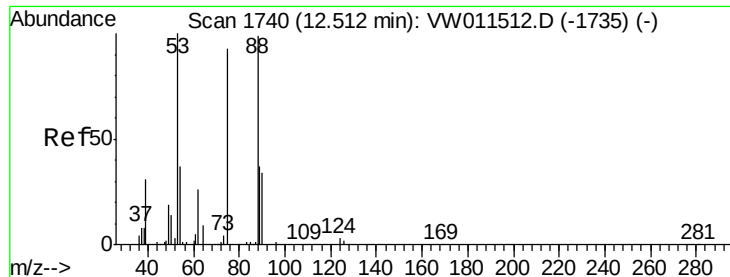
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

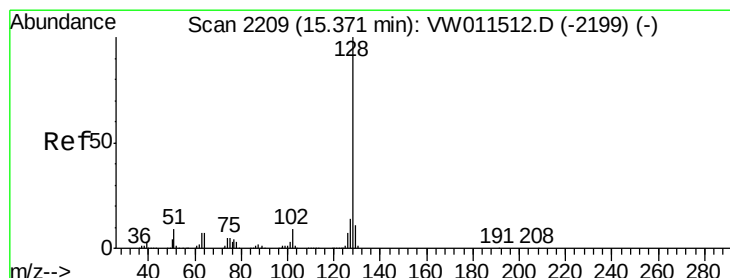
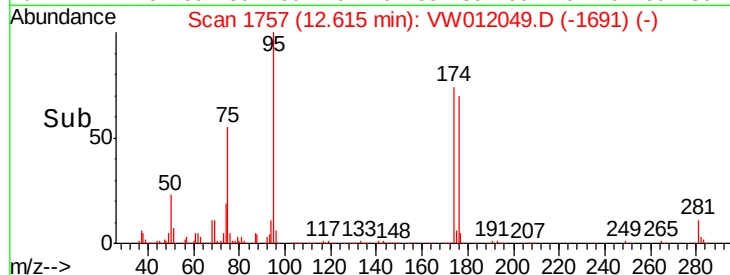
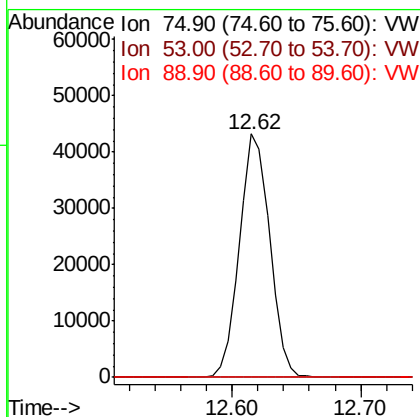
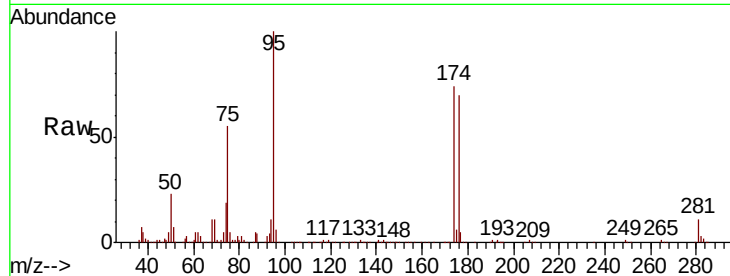




#81
 trans-1,4-Dichloro-2-butene
 Concen: 184.934 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012049.D
 Acq: 20 Aug 2019 23:57

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A1-(2)

Tgt Ion: 75 Resp: 70202
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.0 35.3 52.9#



#95
 Naphthalene
 Concen: 2.169 ug/l
 RT: 15.36 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: VW012049.D
 Acq: 20 Aug 2019 23:57

Tgt Ion: 128 Resp: 351
 Ion Ratio Lower Upper
 128 100
 127 10.8 10.6 16.0
 129 15.1 8.6 13.0#

